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(54) **SYSTEM AND METHOD FOR MONITORING AND CONTROLLING ENERGY SYSTEM**

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(58) **Field of Classification Search**

None

See application file for complete search history.

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(57) **ABSTRACT**

A method and system for identifying at a remote location provide at least one condition associated with an energy system (102) and control the energy system (102). The energy system (102) includes an energy storage system (ESS) (104) capable of storing electric energy, an energy consumption system (ECS) (106) capable of consuming electric energy from the ESS (104) and an energy management system (EMS) (108) capable of interacting with the ESS (104) and the ECS (106). A parameter associated with the ESS (104) is measured, and the measured parameter is compared with reference data to determine the deviation of the measured parameter from the reference data, and the deviation indicates the condition of the energy system (102). The deviation is determined by the EMS (108) or at the remote location, and the deviation is sent to the remote location while the deviation is determined by the EMS (108).

16 Claims, 19 Drawing Sheets

